Amendment to the Claims:

This listing of claims will replace all prior versions, and listing of claims in the application.

Listing of Claims:

1. (Currently Amended) Optical disk system comprising at least one photo detector comprising several sub-detectors for detecting at least a part of said optical disk, said several sub-detectors of said at least one photo detector generating respective detection signals in response to said detection, each of said respective detection signals being output to only one of several circuits of the optical disk system ~~further comprising several circuits~~, each circuit having an input directly coupled to a respective output of only one of said several sub-detectors for receiving said detection signals, said several circuits comprised of ~~of~~ at least one amplifier for amplifying detection signals and comprising at least one slicer for slicing amplified detection signals, the system further comprising at least one delay-difference detector for detecting delay differences in sliced amplified detection signals, characterized in that said delay-difference detector is delaylineless and comprises combinatorial-logic circuits and sequential-logic circuits.

2. (Original) Optical disk system according to claim 1, characterized in that said delay-difference detector comprises a first pair of sequential-logic circuits for detecting delay differences between rising edges and comprises a second pair of sequential-logic circuits for detecting delay differences between falling edges.

3. (Original) Optical disk system according to claim 2, characterized in that said delay-difference detector further comprises at least one analog adder/subtracter for adding/subtracting sequential-logic circuit output signals.

4. (Original) Optical disk system according to claim 3, characterized in that said delay-difference detector comprises at least one low pass filter coupled to an output of said at least one analog adder/subtracter.

5. (Original) Optical disk system according to claim 3, characterized in that said delay-difference detector comprises at least one low pass filter located between at least one sequential-logic circuit and said at least one analog adder/subtracter.

6. (Currently Amended) Delay-difference detector for use in an optical disk system comprising at least one photo detector comprising several sub-detectors for detecting at least a part of said optical disk, said several sub-detectors of said at least one photo detector ~~and in response~~ generating respective detection signals in response to said detection, each of said respective detection signals being output to only one of several circuits, each circuit having an input directly coupled to a respective output of only one of said several sub-detectors for receiving said detection signals, each of said several circuits ~~and~~ comprising at least one amplifier for amplifying detection signals and comprising at least one slicer for slicing amplified detection signals and comprising at least one delay-difference detector for detecting delay differences in sliced amplified detection signals, characterized in that said delay-difference detector is delaylineless and comprises combinatorial-logic circuits and sequential-logic circuits.

7. (Original) Delay-difference detector according to claim 6, characterized in that said delay-difference detector comprises a first pair of sequential-logic circuits for detecting delay differences between rising edges and comprises a second pair of sequential-logic circuits for detecting delay differences between falling edges.

8. (Original) Delay-difference detector according to claim 7, characterized in that said delay-difference detector further comprises at least one analog adder/subtracter for adding/subtracting sequential-logic circuit output signals.

9. (Currently Amended) A method for use in an optical disk system, comprising the steps of:

detecting at least a part of said optical disk using at least one photo detector comprised of at least several sub-detectors;

generating detection signals from said at least several sub-detectors, responsive to said detection;

outputting a respective one of said detection signals from said at least several sub-detectors to only one of at least several circuits of said optical disk system;

independently amplifying said detection signals from each of said at least several sub-detectors to generate amplified detection signals;

slicing said amplified detection signals to generate sliced amplified detection signals; and

detecting delay differences in said sliced amplified detection signals~~;~~

wherein said detecting step of detecting delay differences is delaylineless.

10. (Original) Method according to claim 9, characterized in that said step of detecting delay differences comprises the substeps of detecting delay differences between rising edges and of detecting delay differences between falling edges.

11. (Cancelled)